The claims have not been amended (please see the remarks):

1. (PREVIOUSLY PRESENTED) A superconductor electromagnetic transmitter device comprising:

a superconductor structure having a columnar shape;

a superconductor reflector at one end of said superconductor structure;

a first tube within and parallel to said superconductor structure;

a second tube, within and perpendicular to said superconductor structure, and perpendicular to and intersecting said;

an anode at one end of said second tube; and

a cathode at a second end of said second tube.

2. (ORIGINAL) The device of claim 1, wherein said superconductor structure is ceramic superconductor Y sub 1 Ba sub 2 Cu sub 3 O sub 7x.

3. (ORIGINAL) The device of claim 1, wherein said superconductor structure has an aperture that extends through the length of the superconductor and out to the opposing side.

4. (ORIGINAL) The device of claim 1, wherein said superconductor reflector is removable.

5. (ORIGINAL) The device of claim 1, wherein said first tube is thermally tempered glass.

6. (ORIGINAL) The device of claim 1, wherein said second tube is thermally tempered glass.

7. (ORIGINAL) The device of claim 1, wherein the diameter of second tube is smaller than the diameter of the first tube.

8. (ORIGINAL) The device of claim 1, wherein said second tube is inside first tube.

9. (ORIGINAL) The device of claim 1, wherein between said anode and said cathode there is a space.

10. (ORIGINAL) The device of claim 3, wherein the diameter of said aperture is consistent through the superconductor structure.

11. (CANCELED)

12. (CANCELED)

13. (ORIGINAL) The device of claim 9, wherein the measurement of said space cannot be larger than the diameter of said aperture.